

WHAT IS CLAIMED IS:

1 1. A system for controlling an electronic device,
2 comprising:
3 an electronic device;
4 a specially formatted surface, including a
5 predefined address pattern and at least one field for use
6 in performing a control function on the electronic device;
7 and
8 an address pattern reading device for detecting
9 a portion of the predefined address pattern adjacent to
10 the reading device, wherein a position of the reading
11 device on the specially formatted surface can be
12 determined using the detected portion of the predefined
13 address pattern.

1 2. The system of claim 1, wherein the electronic
2 device includes the reading device.

1 3. The system of claim 1, wherein the reading
2 device comprises an electronic pen separate from the
3 electronic device.

1 4. The system of claim 1, wherein the at least one
2 field comprises at least one of a navigation field for
3 controlling navigation on the electronic device, a text
4 input field for controlling text input to the electronic
5 device, a drawing input field for controlling drawing
6 input to the electronic device, and a special function
7 field for executing a special function on the electronic
8 device.

1 5. The system of claim 1, wherein the specially
2 formatted surface comprises a paper having a plurality of
3 fields corresponding to at least one application, said at
4 least one application executable on the electronic device
5 in accordance with positions on the paper detected by the
6 reading device.

1 6. The system of claim 1, wherein the specially
2 formatted surface and the reading device comprise at least
3 a portion of a man-machine interface for the electronic
4 device.

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7. The system of claim 1, wherein the at least one field comprises a navigation field and the electronic device further includes a display screen, the display screen displaying a cursor, wherein a location of the cursor is based on at least one detected position of the reading device within the navigation field.

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8. The system of claim 7, wherein a selection of a current location of the cursor is performed by a selection function, the selection function selected from the group consisting of a detection by the reading device of a portion of the address pattern within a selection field on the specially formatted surface, a pressure sensitive detection on the reading device, and a pressing of a button on the reading device.

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9. The system of claim 1, wherein the use of the reading device on the specially formatted surface facilitates an input of handwritten text to the electronic device.

1 10. The system of claim 1, wherein use of the
2 reading device on the specially formatted surface
3 facilitates an input of a drawing to the electronic
4 device.

5 11. The system of claim 1, wherein the at least one
6 field comprises a functional input field for controlling
7 an execution of a function on the electronic device.

1 12. The system of claim 1, wherein the specially
2 formatted surface comprises a plurality of fields, each
3 field corresponding to at least one character, a detection
4 by the reading device of a portion of the address pattern
5 within one of the plurality of fields operating to input
6 the corresponding at least one character to the electronic
7 device.

1 13. The system of claim 1, wherein the reading
2 device includes a transmitter for communicating with the
3 electronic device.

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1 14. The system of claim 13, wherein the transmitter
2 transmits information to the electronic device via at
3 least one of a cable and a local wireless link.

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1 15. The system of claim 13, wherein the transmitter
2 operates in accordance with Bluetooth radio interface
3 technology.

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1 16. The system of claim 1, wherein the electronic
2 device is selected from the group consisting of a mobile
3 phone, a computer, a personal digital assistant, a
4 calculator, a game console, a television, and a digital
5 camera.

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1 17. The system of claim 1, wherein use of the
2 reading device on the specially formatted surface
3 facilitates a joystick functionality.

18. A method for controlling an electronic device,
comprising the steps of:
detecting at least one position, using a reading
device, on a specially formatted surface having an address
pattern by detecting a portion of the address pattern
adjacent to the reading device;
identifying a function corresponding to the at
least one detected position; and
performing the identified function on an
electronic device.

19. The method of claim 18, wherein the detected
portion of the address pattern is located within a field
on the specially formatted surface, said field
corresponding to the function.

20. The method of claim 18, wherein the identified
function comprises navigating on the electronic device.

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1 21. The method of claim 18, wherein the identified
2 function relates to an application loaded on the
3 electronic device.

1 22. The method of claim 18, wherein the identified
2 function comprises an input of handwritten text.

1 23. The method of claim 22, further comprising the
2 step of converting the handwritten text input into text
3 characters.

1 24. The method of claim 18, wherein the identified
2 function comprises an input of a character corresponding
3 to the detected position.

1 25. The method of claim 18, wherein the identified
2 function comprises an input of a drawing.

1 26. The method of claim 18, further comprising the
2 step of detecting a selection of a location on the
3 specially formatted surface, wherein the step of
4 identifying the function is performed in response to the
5 detected selection.

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1 27. The method of claim 26, wherein the selection is
2 detected by sensing a pressure on the reading device.

1 28. The method of claim 26, wherein the selection is
2 detected by sensing a pressing of a button on the reading
3 device.

1 29. The method of claim 18, further comprising the
2 step of transmitting information relating to the at least
3 one detected position from the reading device to the
4 electronic device.

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1 30. The method of claim 18, further comprising the
2 step of translating the at least one detected portion of
3 the address pattern into a rotation angle.

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1 31. The method of claim 18, further comprising the
2 step of translating the at least one detected portion of
3 the address pattern into a tilt angle.